

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A vertical sharpness adjustment device comprising:
a terminal to which a vertical sharpness adjustment control signal is applied by a viewer of a TV receiver;
a control circuit to which the vertical sharpness adjustment control signal is applied from the terminal, wherein the control circuit generates a signal to display the degree of vertical sharpness adjustment on a screen of the TV receiver; and
a vertical sharpness adjustment circuit which adjusts a degree of vertical sharpness adjustment on a video signal according to the vertical sharpness adjustment control signal from the control circuit, wherein the vertical sharpness adjustment circuit comprises:
a video input terminal to which the video signal is applied;
a first 1H delay line to delay the video signal by one horizontal period; and
a second 1H delay line to delay an output of the first delay line by one horizontal period,
and wherein the vertical sharpness adjustment circuit adjusts the degree of vertical sharpness adjustment by adjusting a level of a signal resulting from operations performed on the video signal at the video input terminal, a video signal from the first 1H delay line and a video signal from the second 1H delay line.
- 2-4. (Canceled)
5. (Currently amended) The vertical sharpness adjustment device of claim 1 [[4]], wherein the control circuit comprises a microcomputer.

6. (Currently amended) ~~The vertical sharpness adjustment device of claim 1,~~
A vertical sharpness adjustment device comprising:
a terminal to which a vertical sharpness adjustment control signal is applied by a viewer
of a TV receiver;
a control circuit to which the vertical sharpness adjustment control signal is applied from
the terminal; and
a vertical sharpness adjustment circuit which adjusts a degree of vertical sharpness
adjustment on a video signal according to the vertical sharpness adjustment control signal from
the control circuit, wherein the vertical sharpness adjustment circuit comprises:
a video input terminal to which the video signal is applied;
a first 1H delay line to delay the video signal by one horizontal period;
a second 1H delay line to delay an output signal of the first 1H delay line by one
horizontal period;
a first adder to add the video signal and an output signal of the second 1H delay
line; a subtractor to subtract an output signal of the first adder from the output signal of the
first 1H delay line;
a level adjustment circuit to adjust a level of an output signal of the subtractor;
and
a second adder to add an output signal of the level adjustment circuit and the
output signal of the first 1H delay line.

7. (Currently amended) ~~The vertical sharpness adjustment device of claim 1,~~
A vertical sharpness adjustment device comprising:
a terminal to which a vertical sharpness adjustment control signal is applied by a viewer
of a TV receiver;
a control circuit to which the vertical sharpness adjustment control signal is applied from
the terminal; and

a vertical sharpness adjustment circuit which adjusts a degree of vertical sharpness adjustment on a video signal according to the vertical sharpness adjustment control signal from the control circuit, wherein the vertical sharpness adjustment circuit comprises:

- a video input terminal to which the video signal is applied;
- a first 1H delay line to delay the video signal by one horizontal period;
- a second 1H delay line to delay an output signal of the first 1H delay line by one horizontal period;
- a first adder to add the video signal and an output signal of the second 1H delay line;
- an attenuator to halve a level of an output signal of the first adder;
- a subtractor to subtract an output signal of the attenuator from the output signal of the first 1H delay line;
- a level adjustment circuit to adjust a level of an output signal of the subtractor;

and

- a second adder to add an output signal of the level adjustment circuit and the output signal of the first 1H delay line.

8. (Currently amended) The vertical sharpness adjustment device of claim 1 [[2]], wherein the first 1H delay line and the second 1H delay line are also used as delay lines for a comb filter to separate a composite video signal into a brightness signal and a chroma signal.

9. (Currently amended) A TV receiver comprising a vertical sharpness adjustment device which comprises:

- a terminal to which a vertical sharpness adjustment control signal is applied by a viewer of a TV receiver;

- a control circuit to which the vertical sharpness adjustment control signal is applied from the terminal, wherein the control circuit generates a signal to display the degree of vertical sharpness adjustment on a screen of the TV receiver; and

a vertical sharpness adjustment circuit which adjusts a degree of vertical sharpness adjustment on a video signal according to the vertical sharpness adjustment control signal from the control circuit, wherein the vertical sharpness adjustment circuit comprises:

a video input terminal to which the video signal is applied;

a first 1H delay line to delay the video signal by one horizontal period; and

a second 1H delay line to delay an output of the first delay line by one horizontal period,

and wherein the vertical sharpness adjustment circuit adjusts the degree of vertical sharpness adjustment by adjusting a level of a signal resulting from operations performed on the video signal at the video input terminal, a video signal from the first 1H delay line and a video signal from the second 1H delay line.

10-12. (Canceled)

13. (Currently amended) The TV receiver of claim 9 ~~[[12]]~~, wherein the control circuit comprises a microcomputer.

14. (Currently amended) ~~The TV receiver of claim 9,~~

A TV receiver comprising a vertical sharpness adjustment device which comprises:

a terminal to which a vertical sharpness adjustment control signal is applied by a viewer of a TV receiver;

a control circuit to which the vertical sharpness adjustment control signal is applied from the terminal; and

a vertical sharpness adjustment circuit which adjusts a degree of vertical sharpness adjustment on a video signal according to the vertical sharpness adjustment control signal from the control circuit, wherein the vertical sharpness adjustment circuit comprises:

a video input terminal to which the video signal is applied;

a first 1H delay line to delay the video signal by one horizontal period;

a second 1H delay line to delay an output signal of the first 1H delay line by one horizontal period;

a first adder to add the video signal and an output signal of the second 1H delay line;

a subtractor to subtract an output signal of the first adder from the output signal of the first 1H delay line;

a level adjustment circuit to adjust a level of an output signal of the subtractor; and

a second adder to add an output signal of the level adjustment circuit and the output signal of the first 1H delay line.

15. (Currently amended) ~~The TV receiver of claim 9,~~

A TV receiver comprising a vertical sharpness adjustment device which comprises:

a terminal to which a vertical sharpness adjustment control signal is applied by a viewer of a TV receiver;

a control circuit to which the vertical sharpness adjustment control signal is applied from the terminal; and

a vertical sharpness adjustment circuit which adjusts a degree of vertical sharpness adjustment on a video signal according to the vertical sharpness adjustment control signal from the control circuit, wherein the vertical sharpness adjustment circuit comprises:

a video input terminal to which the video signal is applied;

a first 1H delay line to delay the video signal by one horizontal period;

a second 1H delay line to delay an output signal of the first 1H delay line by one horizontal period;

a first adder to add the video signal and an output signal of the second 1H delay line; an attenuator to halve a level of an output signal of the first adder;

a subtractor to subtract an output signal of the attenuator from the output signal of the first 1H delay line;

a level adjustment circuit to adjust a level of an output signal of the subtractor;
and
a second adder to add an output signal of the level adjustment circuit and the output signal of the first 1H delay line.

16. (Currently amended) The TV receiver of claim 2 [[10]], wherein the first 1H delay line and the second 1H delay line are also used as delay lines for a comb filter to separate a composite video signal into a brightness signal and a chroma signal.

17. (New) The vertical sharpness adjustment device of claim 1 wherein the vertical sharpness adjustment circuit further comprises:

a first adder to add the video signal and an output signal of the second 1H delay line;
a subtractor to subtract an output signal of the first adder from the output signal of the first 1H delay line;
a level adjustment circuit to adjust a level of an output signal of the subtractor; and
a second adder to add an output signal of the level adjustment circuit and the output signal of the first 1H delay line.

18. (New) The TV receiver of claim 9 wherein the vertical sharpness adjustment circuit comprises:

a first adder to add the video signal and an output signal of the second 1H delay line;
a subtractor to subtract an output signal of the first adder from the output signal of the first 1H delay line;
a level adjustment circuit to adjust a level of an output signal of the subtractor;
and
a second adder to add an output signal of the level adjustment circuit and the output signal of the first 1H delay line.